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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/561,819	11/15/2006	Edward Fuergut	I431.139.101/FIN 474 PCT/	3080
25281 7590 05/28/2598 DICKE, BILLG & CZAJA FIFTH STREET TOWERS 100 SOUTH FIFTH STREET, SUITH: 2250 MINNEAPOLIS, MN 55402			EXAMINER	
			LOUIE, WAI SING	
			ART UNIT	PAPER NUMBER
		2814		
			MAIL DATE	DELIVERY MODE
			05/28/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/561.819 FUERGUT ET AL. Office Action Summary Examiner Art Unit Wai-Sing Louie 2814 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 28 February 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 14-33 is/are pending in the application. 4a) Of the above claim(s) 20-31 is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 14-19.32 and 33 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Attachment(s)

4) Interview Summary (PTO-413) Paper No(s)/Mail Date.

Notice of Informal Patent Application

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DETAILED ACTION

The argument in the response to the non-final office action is persuasive and the non-final rejection is withdrawn. A new ground of rejection is as below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14, 18-19 and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamamoto et al. (US Pub. 2003/0094675).

With regard to claims 14 and 32, Yamamoto et al. disclose a semiconductor device (¶ [0060] and fig. 1) comprising:

- A sensor chip 1 with a sensor region 1a, conductor tracks and contact areas 1b on
 an active top side of the sensor chip 1, the conductor wiring connection 8 to the
 region 1b (¶ [0061] to [0062] and fig. 1d);
- A plastic (resin) plate 3, in which the sensor chip 1 is embedded by its rear side
 and its edge sides, the active top side of the sensor chip 1 together with a top side
 of the plastic plate 3 having an overall top side (¶ [0064] and fig. 1c);

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A rewiring structure 2 with a rewiring layer having rewiring lines from the
contact areas 1b to the external contact areas 2 of the sensor components 1a, the
rewiring structure being arranged on the overall top side (fig. 1d).

With regard to claim 18, Yamamoto et al. disclose the sensor region is radiation-sensitive and comprises a lens (fig. 1c).

With regard to claim 19, Yamamoto et al. disclose the plastic plate 3 comprises a through contacts 2, the through contact being connected to external contact areas on a plastic plate 3 rear side and electrically connected to the rewiring lines 8 on the overall top side (fig. 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 15-17 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto et al. (US Pub. 2003/0094675) in view of Fillion et al. (US 5,353,498).

With regard to claims 15-17 and 33, Yamamoto et al. disclose the overall top side comprises electrode areas (fig.1d) and rewiring lines extending from the from the electrode areas 1b to contact areas and/or to external contact areas (fig. 1d), but do not disclose the overall top side comprises contact areas of a semiconductor chip (passive components) with integrated circuit, rewiring lines extending from the contact areas of the semiconductor chip to contact

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areas of the sensor chip and/or to electrode areas and/or to external contact areas. However, Fillion et al. disclose a semiconductor package in fig. 1e comprises a multiple chip (14 and 20) embedded in polymer (24), and an external contact 30, 32. At the time the invention was made; it would have been obvious to a person having ordinary skill in the art to including additional discrete components teaching of Fillion into the sensor package of Yamamoto in order to create a multi-chip modules for desired application; and such package would have allowed a plurality of chips with different thicknesses on a planar surface without milling the chip as taught by Fillion (Fillion col. 2 lines 1-6). Fillion et al. also disclose the semiconductor chips stacked above one another in the plastic plate (Fillion fig. 8d).

Response to Arguments

Applicant's arguments with respect to claims 14-19 and 32-33 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wai-Sing Louie whose telephone number is 571-272-1709. The examiner can normally be reached on 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Wai-Sing Louie/ Primary Examiner, Art Unit 2814

Wsl May 23, 2008.